#### CLAIMS

- 1 1. A method for media streaming, comprising:
- 2 receiving a request from a client to a server via a
- 3 network in accordance with a Hypertext Transfer Protocol
- 4 (HTTP) to stream a media file of a given type;
- 5 passing the request to a servlet running in
- 6 conjunction with the server;
- 7 parsing the request using the servlet to identify
- 8 elements of the media file to be transferred to the
- 9 client; and
- 10 streaming the identified elements from the server
- 11 to the client as a HTTP response.
- 1 2. A method according to claim 1, wherein parsing the
- 2 request comprises determining a processing action to be
- 3 applied to the elements of the media file, and wherein
- 4 streaming the identified elements comprises applying the
- 5 processing action to the elements.
- 1 3. A method according to claim 2, wherein parsing the
- 2 request comprises determining a parameter applicable to
- 3 the processing action, and wherein applying the
- 4 processing action comprises processing the elements of
- 5 the media file responsive to the parameter.
- 1 4. A method according to claim 3, wherein determining
- 2 the parameter comprises determining a limitation on a
- 3 media playing capability of the client, and wherein the
- 4 processing action comprises modifying the identified
- 5 elements in response to the limitation.
- 1 5. A method according to claim 4, wherein determining
- 2 the limitation comprises identifying a network
- 3 bandwidth, and wherein modifying the identified elements

- 4 in response to the limitation comprises altering the
- 5 elements responsive to the network bandwidth.
- 1 6. A method according to claim 4, wherein determining
- 2 the limitation comprises determining a resource level
- 3 provided by the client, and wherein modifying the
- 4 identified elements comprises selecting the identified
- 5 elements responsive to the resource level.
- 1 7. A method according to claim 2, wherein applying the
- 2 processing action comprises transcoding at least one of
- 3 the elements of the media file into a desired media
- 4 format.
- 1 8. A method according to claim 1, wherein receiving
- 2 the request comprises receiving a request for a certain
- 3 portion of the media file, and wherein parsing the
- 4 request comprises selecting the elements of the media
- 5 file to be transferred responsive to the request.
- 1 9. A method according to claim 8, wherein the elements
- 2 of the media file comprise an ordered sequence of
- 3 frames, and wherein selecting the elements comprises
- 4 selecting a segment within the sequence.
- 1 10. A method according to claim 8, wherein the elements
- 2 of the media file comprises a plurality of media tracks
- 3 temporally juxtaposed in parallel, and wherein selecting
- 4 the elements comprises selecting one or more of the
- 5 tracks.
- 1 11. Apparatus for media streaming, comprising a server
- 2 which is arranged to receive a request from a client via
- 3 a network in accordance with a Hypertext Transfer
- 4 Protocol (HTTP) to stream a media file of a given type,
- 5 and which is further arranged to run a servlet and to

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- 6 pass the request to the servlet, to parse the request
- 7 using the servlet to identify elements of the media file
- 8 to be transferred to the client, and to steam the
- 9 identified elements from the server to the client as a
- 10 HTTP response.
  - 1 12. Apparatus according to claim 11, wherein the server
  - 2 is arranged to use the servlet to parse the request so
  - 3 as to determine a processing action to be applied to the
  - 4 elements of the media file, and to apply the processing
  - 5 action to the elements.
  - 1 13. Apparatus according to claim 12, wherein the server
  - 2 is arranged to use the servlet to determine a parameter
- 3 applicable to the processing action, and to apply the
- 4 processing action based on the parameter.
- 1 14. Apparatus according to claim 13, wherein the
- 2 parameter is indicative of a limitation on a media
- 3 playing capability of the client, and wherein the server
- 4 is arranged to apply the processing action so as to
- 5 modify the identified elements in response to the
- 6 limitation.
- 1 15. Apparatus according to claim 14, wherein the
- 2 limitation applies to a network bandwidth, and wherein
- 3 the server is arranged to use the servlet to modify the
- 4 identified elements in response to the network
- 5 bandwidth.
- 1 16. Apparatus according to claim 14, wherein the
- 2 limitation applies to a resource level provided by the
- 3 client, and wherein the server is arranged to use the
- 4 servlet to select the identified elements in response to
- 5 the resource level.

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- 1 17. A method according to claim 13, wherein the
- 2 processing action comprises transcoding at least one of
- 3 the elements of the media file into a desired media
- 4 format.
- 1 18. Apparatus according to claim 11, wherein the
- 2 request is for a certain portion of the media file, and
- 3 wherein the server is arranged to use the servlet to
- 4 parse the request so as to select the elements of the
- 5 media file to be transferred responsive to the request.
- 1 19. Apparatus according to claim 18, wherein the
- 2 elements of the media file comprise an ordered sequence
- 3 of frames, and wherein the server is arranged to use the
- 4 servlet to select a segment within the sequence
- 5 responsive to the request.
- 1 20. Apparatus according to claim 18, wherein the
- 2 elements of the media file comprises a plurality of
- 3 media tracks temporally juxtaposed in parallel, and
- 4 wherein the server is arranged to use the servlet to
- 5 select one or more of the tracks responsive to the
- 6 request.
- 1 21. Apparatus according to claim 11, wherein the server
- 2 comprises a cluster of servers, arranged so that the
- 3 HTTP request is handled by one of the servers in the
- 4 cluster, and the servlet is run on a different one of
- 5 the servers in the cluster.
- 1 22. A computer software product for media streaming,
- 2 comprising a computer-readable medium in which program
- 3 instructions are stored, which instructions, when read
- 4 by a computer, cause the computer to receive a request
- 5 from a client via a network in accordance with a

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- 6 Hypertext Transfer Protocol (HTTP) to stream a media
- 7 file of a given type, and which instructions further
- 8 cause the computer to run a servlet and to pass the
- 9 request to the servlet, to parse the request using the
- 10 servlet to identify elements of the media file to be
- 11 transferred to the client, and to steam the identified
- 12 elements from the server to the client as a HTTP
- 13 response.
  - 1 23. A product according to claim 22, wherein the
  - 2 instructions cause the computer to use the servlet to
  - 3 parse the request so as to determine a processing action
  - 4 to be applied to the elements of the media file, and to
  - 5 stream the identified elements by applying the
  - 6 processing action to the elements.
  - 1 24. A product according to claim 23, wherein the
    - instructions cause the computer to use the servlet to
  - 3 determine a parameter applicable to the processing
  - 4 action, and to apply the processing action based on the
  - 5 parameter.
  - 1 25. A product according to claim 24, wherein the
  - 2 parameter is indicative of a limitation on a media
  - 3 playing capability of the client, and wherein the
  - 4 instructions cause the computer to apply the processing
  - 5 action so as to modify the identified elements in
  - 6 response to the limitation.
  - 1 26. A product according to claim 25, wherein the
  - 2 limitation applies to a network bandwidth, and wherein
- 3 the instructions cause the computer to use the servlet
- 4 to modify the identified elements in response to the
- 5 network bandwidth.

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- 1 27. A product according to claim 25, wherein the
- 2 limitation applies to a resource level provided by the
- 3 client, and wherein the instructions cause the computer
- 4 to use the servlet to select the identified elements in
- 5 response to the resource level.
- 1 28. A product according to claim 24, wherein the
- 2 processing action comprises transcoding at least one of
- 3 the elements of the media file into a desired media
- 4 format.
- 1 29. A product according to claim 22, wherein the
- 2 request is for a certain portion of the media file, and
- 3 wherein the instructions cause the computer to use the
- 4 servlet to parse the request so as to select the
- 5 elements of the media file to be transferred responsive
- 6 to the request.
- 1 30. A product according to claim 29, wherein the
- 2 elements of the media file comprise an ordered sequence
- 3 of frames, and wherein the instructions cause the
- 4 computer to use the servlet to select a segment within
- 5 the sequence responsive to the request.
- 1 31. A product according to claim 29, wherein the
- 2 elements of the media file comprises a plurality of
- 3 media tracks temporally juxtaposed in parallel, and
- 4 wherein the instructions cause the computer to use the
- 5 servlet to select one or more of the tracks.
- 1 32. A product according to claim 22, wherein the
- 2 servlet comprises a subset of the instructions, and the
- 3 subset of the instructions comprises instructions
- 4 written in a platform-independent, object-oriented
- 5 computer language.